

MV-201  
August 1, 1966  
Supersedes MV-200

Prices and specifications subject to change without notice.

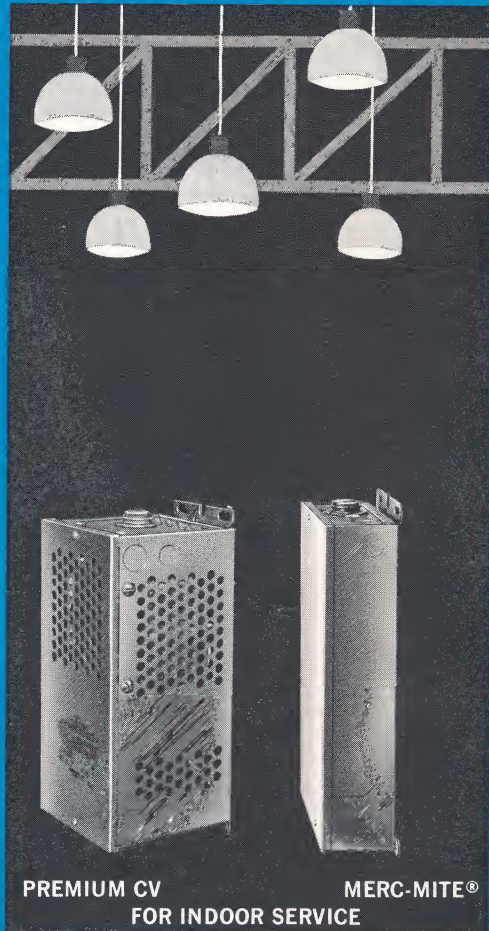
# SOLA<sup>®</sup> mercury lamp BALLASTS

regulates line-voltage variations of up to  $\pm 13\%$  for constant light output



PREMIUM CW  
FOR OUTDOOR SERVICE

MERC-MITE<sup>®</sup>



PREMIUM CV  
FOR INDOOR SERVICE

MERC-MITE<sup>®</sup>

for outdoor street and flood lighting • indoor industrial and commercial

**SOLA ELECTRIC**



DIVISION OF SOLA BASIC INDUSTRIES

1717 BUSSE Rd. • ELK GROVE VILLAGE, ILLINOIS 60007  
PHONE 312-439-2800 Chicago line - 625-8630

SOLA<sup>®</sup> BALLASTS for mercury vapor lamps

MV-201



# MERCURY BALLASTS

## SOLA PREMIUM CW BALLASTS

**The Sola Premium constant-wattage mercury ballast is another product growing out of our specialization in constant wattage and constant-voltage equipment. It represents the most advanced engineering techniques, exacting workmanship, and the finest materials and components available. All Sola mercury-vapor ballasts are fully warranted for 2 years against defects in either materials or workmanship.**



## advantages of constant wattage

The term "constant wattage" means just what it says: a lamp-ballasting transformer which in addition maintains a constant wattage to the lamp at all times. The constant-wattage principle was developed by Sola Electric Co. as an adaptation of their earlier discovery of the constant-voltage Sola transformer. To the lamp user, the advantages of constant wattage are many:

constant light output

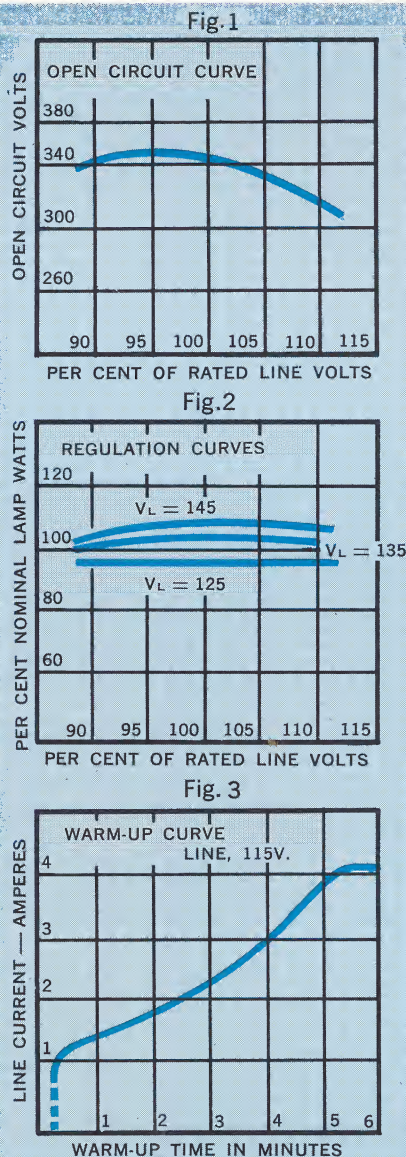
By maintaining correct wattage, Sola ballasts keep light output constant despite line-voltage fluctuations as great as  $\pm 13\%$ ; Lamp wattage regulated to  $\pm 2\%$ .

rated lamp life

Lamp life is controlled by maintaining proper electrical values during starting and operation. The Sola ballast assures proper starting, as well as stable operation under all conditions. Premature lamp failure is greatly reduced.

no dropout during  
voltage dips

Lamp outages due to line-voltage dips are virtually eliminated. The constant-



wattage circuit will keep lamps in operation in the presence of dips as great as 30% of nominal.

low starting current

The Sola constant-wattage circuit limits starting current during warmup. Line current during the starting cycle will never exceed operating current, eliminating need for time-delay relays, oversized circuit breakers, and heavier wiring, as required by high-reactance or reactor-type ballasts. More lamps per circuit are possible.

## open and short-circuit protection

Line current **drops** with an open or short-circuit condition in the lamp circuit. The ballast will not overheat. The system gets positive protection.

- no primary taps

The constant-wattage circuit maintains open-circuit voltage and wattage to the lamps within the primary range. Taps are unnecessary either for initial matching to line-voltage level or for later readjustment.



# UNIQUE SOLA MERC-MITE® BALLAST



Fig. 4

All other important features of Premium constant-wattage ballasts are incorporated in Merc-Mite ballasts.

1. Low line current during the starting cycle.
2. Open-circuit and short-circuit protection.
3. No taps required for line-voltage matching.

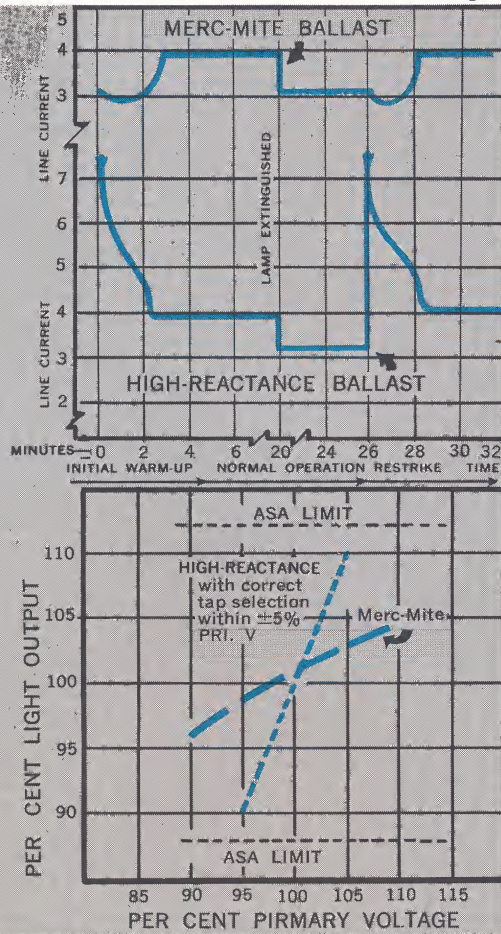


Fig. 5

The Sola MERC-MITE ballast is a dramatic achievement in reduction of cost, size, and weight while maintaining the principal advantages of the Sola Premium CW ballast. These savings were achieved by adaptation of the constant-wattage principle to an autotransformer design instead of the double-wound type employed in the Premium CW ballasts.

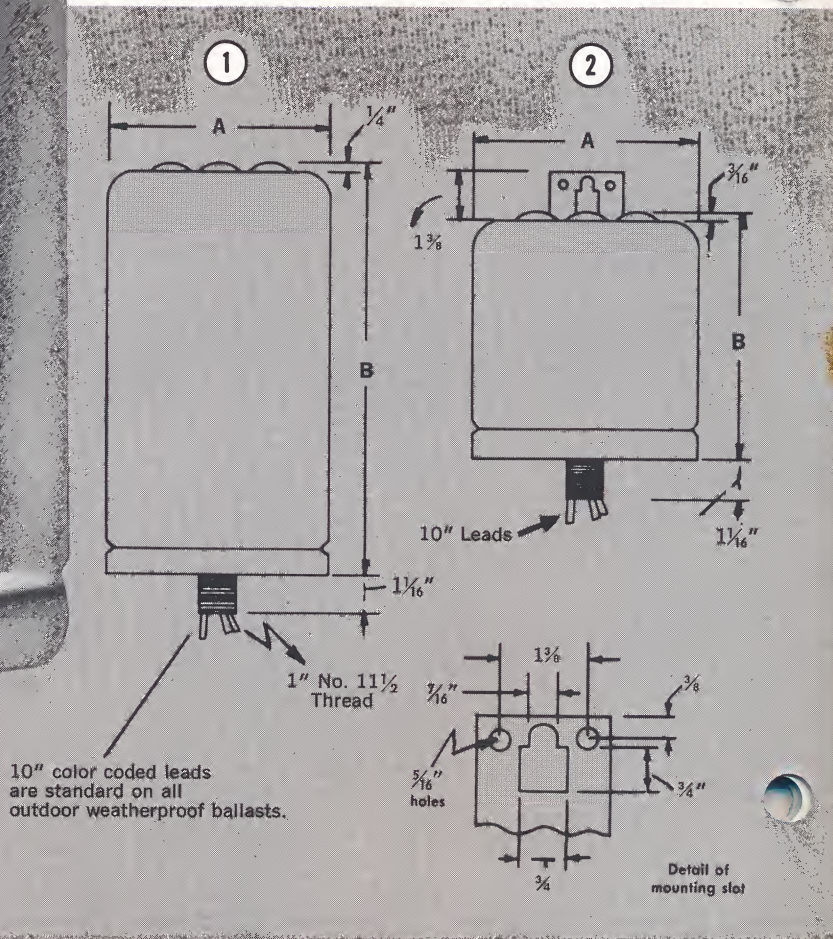
The Merc-Mite is also a constant-wattage ballast, regulating lamp wattage within  $\pm 5\%$  over line-voltage fluctuations of  $\pm 10\%$ .

Evidence of the Merc-Mite's capabilities is shown at left. Figure 4 compares Merc-Mite's starting-current feature to that of the conventional high-reactance ballast. Figure 5 compares light output of Merc-Mite with the high-reactance type. Note the stability of the Merc-Mite and the wide variance of the high-reactance type in response to voltage fluctuation.

**OUTDOOR & INDOOR MERC-MITE® CW BALLASTS**  
**INDOOR PREMIUM CW & REACTOR BALLASTS**  
**OUTDOOR PREMIUM CW BALLASTS**



**premium**  
**constant wattage**  
**conventional &**  
**reactor type**  
**OUTDOOR**  
**service**  
 60 CYCLES





LAMP TYPE & WATTAGE	NOMINAL LINE VOLTAGE	LINE VOLTAGE RANGE	CATALOG NUMBER	WATTS LOSS	LINE CURRENT	OPEN CIRCUIT VOLTS	MIN. START. TEMP. DEG. F	MTG.* BRKT.	SHIP. WGT. LBS.	DRWG. NO.	DIMENSIONS IN INCHES	
											DIA. A	HGT. B

## 100-175-250 WATT BALLASTS

1 - 100 W H-38	120 x 240	105-135 x 210-270	77-10-256	25	1.15 0.57	250	-20	ABL	22	2	6%	7½%
	277	240-315	77-12-256		0.5							
	240 x 480	210-270 x 420-540	77-11-256		0.57 0.29							
1 - 175 W H-39	120 x 240	105-135 x 210-270	77-10-257	35	1.82 0.91	285	-20	ABL	24	2	6%	7½%
	208	180-235	77-15-257		1.05							
	277	240-315	77-12-257		0.79							
	240 x 480	210-270 x 420-540	77-11-257		0.91 0.46							
	240	240	75-27-442①	20	0.84	240	-20	ABL	24	2	6%	7½%
1 - 250 W H-37	120 x 240	105-135 x 210-270	77-10-258	35	2.60 1.30	330	-20	BDE	31	1	6%	9%
	208	180-235	77-15-258		1.44							
	277	240-315	77-12-258		1.13							
	240 x 480	210-270 x 420-540	77-11-258		1.30 .65							
	2 - 250 W H-37 Series Sequence	115 x 230	100-130 x 200-260	77058	55	5.1 2.55	400	-20	F	70	1	8%
460		400-520	77P058	1.28								

## 400 WATT BALLASTS

1 - 400 W H-33	120 x 240	105-135 x 210-270	77-10-300	50	3.8 1.9	240	-20	BDE	34	1	6%	9%
	208	180-235	77-15-300		2.2							
	277	240-315	77-12-300		1.66							
	240 x 480	210-270 x 420-540	77-11-300		2.0 1.0							
2 - 400 W H-33 Independent Lamp Operation	120 x 240	105-135 x 210-270	77-10-246	85	8.2 4.1	330	-20	BGH	48	1	6%	12 $\frac{1}{16}$
	208	180-235	77-15-246		4.8							
	277	240-315	77-12-246		3.55							
	480	420-540	77-23-246		2.05							
2 - 400 W H-33 Lamps in Series	120 x 240	105-135 x 210-270	77-10-266	85	8.0 4.0	400	0	BGH	45	1	6%	12 $\frac{1}{16}$
	208	180-235	77-15-266		4.40							
	277	240-315	77-12-266		3.30							
	240 x 480	210-270 x 420-540	77-11-266		4.0 2.0							
4 - 400 W H-33 2 Lamps in Series Each Leg	120 x 240	105-135 x 210-270	77-10-284	180	16.0 8.0	400	-20	J	110	1	9%	16%
	208	180-235	77-15-284		9.2							
	240 x 480	210-270 x 420-540	77-11-284		8.0 4.0							

## 700-1000 WATT BALLASTS

1 - 700 W H-35	115 x 230	100-130 x 200-260	77051	80	6.8 3.4	460	-20	F	72	1	8%	12¼			
	277	240-315	77T051		2.80										
	460	400-520	77P051		1.7										
1 - 1000 W H-34	115 x 230	100-130 x 200-260	77049	100	9.60 4.80	350	-20	F	75	1	8%	12¼			
	208	180-235	77S049		5.30										
	277	240-315	77T049		4.0										
1 - 1000 W H-36	480	—	75-23-510①	50	2.30	480	-20	BDE	31	1	6%	9¾			
	115 x 230	100-130 x 200-260	77053	100	9.8 4.9	460	-20	F	75	1	8%	12¼			
					208								180-235	77S053	5.42
					277								240-315	77T053	4.1
					460								400-520	77P053	2.45
2 - 1000 W H-36 Independent Lamp Operation	480	—	75-23-295①	100	4.5	480	-20	F	77	1	8%	12¼			
	120 x 240	105-135 x 210-270	77-10-270③	290	18.5 9.25	430	-20	J	120	1	9¼	16%			
	208	180-235	77-15-270③		10.70										
	240 x 480	210-270 x 420-540	77-11-270③		9.25 4.65										

All constant-wattage ballasts have minimum power factor of 90%.

① Reactor type — high power factor.

③ Lamp position limited to vertical or maximum of 45° from vertical.

\* See page 10 for mounting bracket ordering information.

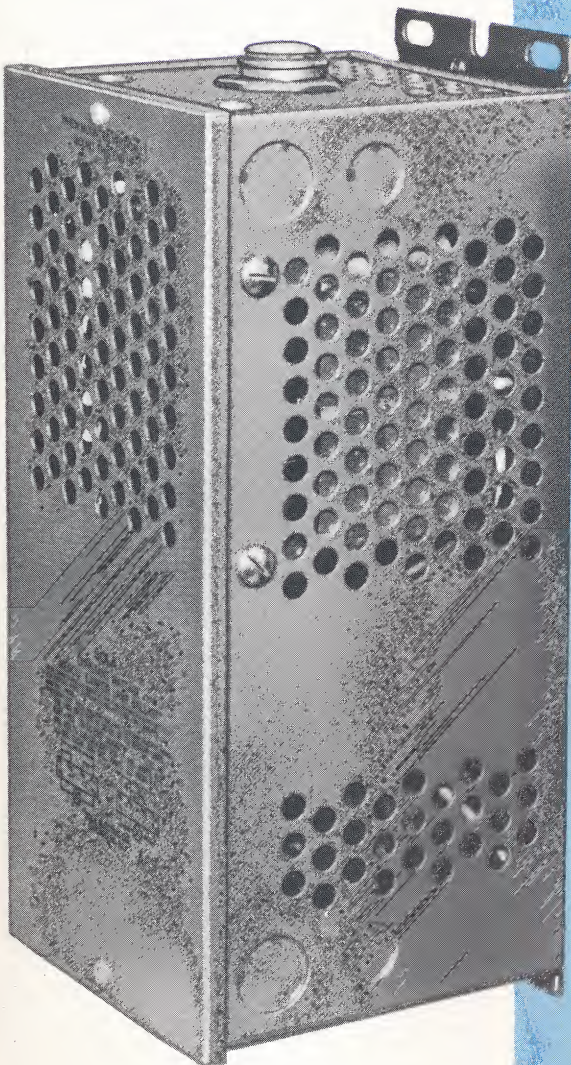
**OUTDOOR & INDOOR MERC-MITE® CV BALLASTS**  
**INDOOR PREMIUM CV & REACTOR BALLASTS**  
**OUTDOOR PREMIUM CV BALLASTS**



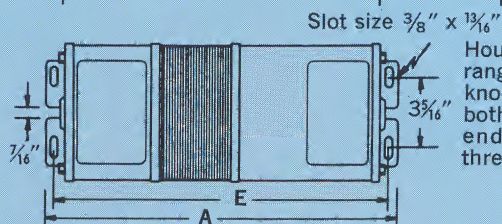
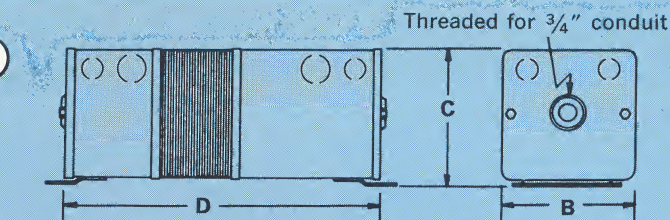
# premium constant wattage & reactor types INDOOR

service

60 CYCLES



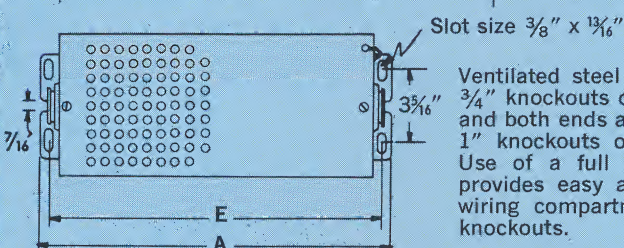
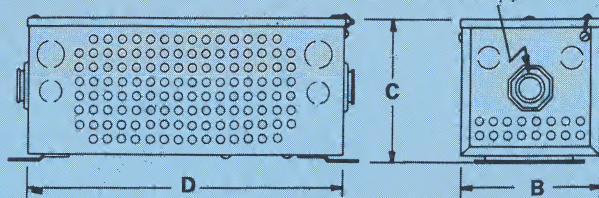
3



Housings at each end are arranged as outlet boxes with knockouts for  $\frac{3}{4}$ " conduit on both sides as well as both ends. Pryouts, cover  $\frac{1}{2}$ " threaded conduit fittings.

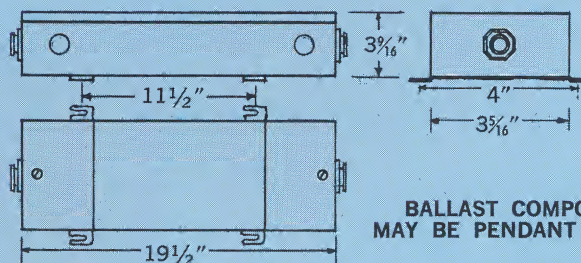
**BALLASTS NOT COMPOUNDED MAY BE PENDANT MOUNTED**

Threaded for  $\frac{3}{4}$ " conduit



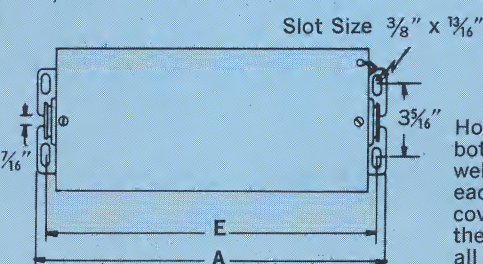
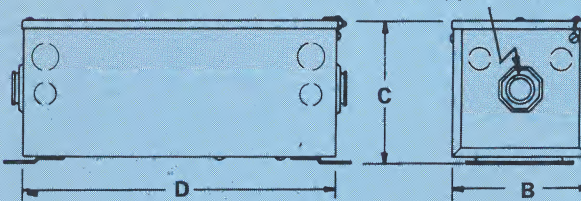
Ventilated steel housing has  $\frac{3}{4}$ " knockouts on both sides and both ends as well as two 1" knockouts on each side. Use of a full length cover provides easy access to the wiring compartment and all knockouts.

**BALLASTS NOT COMPOUNDED MAY BE PENDANT MOUNTED**



**BALLAST COMPOUNDED MAY BE PENDANT MOUNTED**

Threaded for  $\frac{3}{4}$ " conduit



Housing has  $\frac{3}{4}$ " knockouts on both sides and both ends as well as two 1" knockouts on each side. Use of a full length cover provides easy access to the wiring compartment and all knockouts.

**BALLAST COMPOUNDED MAY BE PENDANT MOUNTED**



LAMP TYPE & WATTAGE	NOMINAL LINE VOLTAGE	LINE VOLTAGE RANGE	CATALOG NUMBER	WATTS LOSS	LINE CURRENT	OPEN CIRCUIT VOLT- AGE	MIN. START. TEMP. DEGREES F	SHIP. WGT. LBS.	DRWG. NO.	DIMENSION IN INCHES				
										OVER. LGTH.	CASE WIDTH	CASE HGT.	CASE LGTH.	MTG. LGTH.
										A	B	C	D	E

## 100-175-250 WATT BALLASTS

1 - 100 W H-38	115 x 230	100-130 x 200-260	78-10-227	25	1.14 .57	250	-20	20	5	19½	3⅝	3⅝	19½	11½
1 - 175 W H-39	115 x 230	100-130 x 200-260	77124	35	1.90 .95	285	-20	20	4	12⅝	6	5	11¼	11⅞
	277	240-315	77T124		.79									
	460	400-520	77P124		.46									
1 - 250 W H-37	115 x 230	100-130 x 200-260	78-10-211	35	2.6 1.3	330	-20	23	4	14⅞	6	6½	13½	14⅞
	208	180-235	78-15-211		1.44									
	277	240-315	78-12-211		1.08									
	460	400-520	78-13-211		.65									
2 - 250 W H-37 Series Sequence	115 x 230	100-130 x 200-260	77108	55	5.1 2.55	400	-20	35	3	15⅞	5⅞	6⅞	13⅞	14⅞
	208	180-235	77S108		2.8									
	277	240-315	77T108		2.1									
	460	400-520	77P108		1.29									

## 400 WATT BALLASTS

1 - 400 W H-33	115 x 230	100-130 x 200-260	78-10-200	50	4.0 2.0	330	-20	29	4	14⅞	6	6½	13½	14⅞
	208	180-235	78-15-200		2.2									
	277	240-315	78-12-200		1.66									
	460	400-520	78-13-200		1.0									
	575	500-650	78-18-200		.80									
1 - 400 W H-33 High Ambient Operation To 55° C.	120 x 240	105-135 x 210-270	78-10-216	50	3.83 1.92	330	-20	30	4	18	6	6½	16⅞	17¼
	277	240-315	78-12-216		1.66									
	460	400-520	78-13-216		1.0									
	575	500-650	78-18-216		.80									
2 - 400 W H-33 Lamps in Series	115 x 230	100-130 x 200-260	78-10-201	75	8.0 4.0	575	-20	47	4	18	6	6½	16⅞	17¼
	208	180-235	78-15-201		4.4									
	277	240-315	78-12-201		3.3									
	460	400-520	78-13-201		2.0									
	575	500-650	78-18-201		1.6									
2 - 400 W H-33 Independent Lamp Operation	120 x 240	105-135 x 210-270	78-10-275	100	8.0 4.0	300	-20	74	6	16⅞	7	11	14⅞	15¼
	208 / 277	180-235 / 240-315	78-19-275		4.62 3.50									
	240 x 480	210-270 x 420-540	78-11-275		3.77 1.89									
	575	500-650	78-18-275		1.66									
2 - 400 W H-33 High Ambient Operation To 55° C. LPS in Series	115 x 230	100-130 x 200-260	78-10-249	75	8.0 4.0	575	-20	49	4	19½	6	6½	18	18¾
	277	240-315	78-12-249		3.3									
	460	400-520	78-13-249		2.0									
	575	500-650	78-18-249		1.6									

## 700-1000 WATT BALLASTS

1 - 700 W H-35	115 x 230	100-130 x 200-260	77012	80	6.8 3.4	460	-20	54	3	16⅞	5⅞	6⅞	14⅞	15½
	277	240-315	77T012		2.8									
	460	400-520	77P012		1.7									
1 - 1000 W H-34	115 x 230	100-130 x 200-260	77019	100	9.6 4.8	220	0	77	3	18¾	5⅞	6⅞	17¼	18
	277	240-315	77T019		4.0									
	460	400-520	77P019		2.4									
1 - 1000 W H-36	480	—	75-23-509①	50	2.3	480	-20	37	6	15⅞	6⅞	5⅞	14⅞	15
	115 x 230	100-130 x 200-260	77020	100	9.75 4.88	460	-20	77	3	18¾	5⅞	6⅞	17¼	18
	277	240-315	77T020		4.0									
	460	400-520	77P020		2.4									
	575	500-650	77S020-2		1.95									
2 - 1000 W H-36 Independent Lamp Operation	480	—	75-23-514①	100	5.0	480	-20	55	6	18¾	6⅞	5⅞	17¼	18

All constant-wattage ballasts have minimum power factor of 90%.

① Reactor type — high power factor.

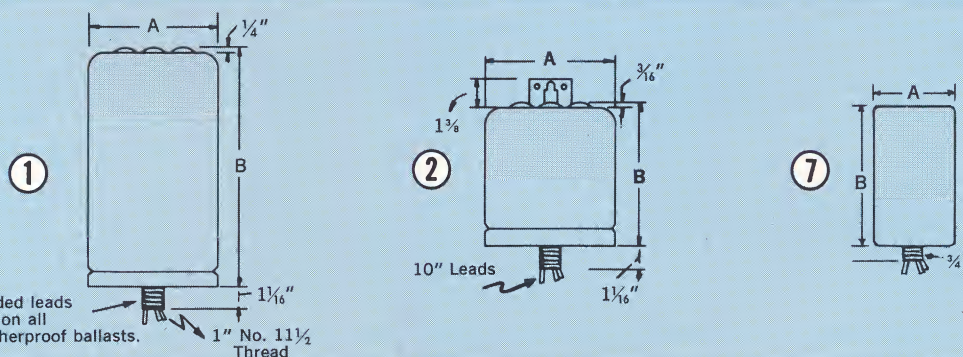


# merc-mite<sup>®</sup> constant wattage ballasts for **OUTDOOR** service

60 CYCLES

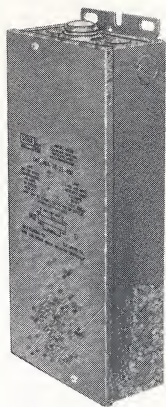


LAMP TYPE & WATTAGE	NOMINAL LINE VOLTAGE	LINE VOLTAGE RANGE	CATALOG NUMBER	WATTS LOSS	LINE CURRENT	OPEN CKT VOLTAGE	MIN. START. TEMP. DEG. F	MTG. * BRKT.	DRWG. NO.	SHIP. WGT. LBS.	DIMENSION IN INCHES	
											DIA. A	HGT. B
1 - 100 W H-38	120	108-132	77-21-435	25	1.10	250	-20	K	7	18	4	7½
	240 / 277	216-264 / 250-304	77-22-435		.55 .48							
1 - 175 W H-39	120 x 240	108-132 x 216-264	77-24-431	35	1.80 .90	240	-20	ABL	2	20	6⅝	7⅝
	240 / 277	216-264 / 250-304	77-22-431		.90 .79							
1 - 250 W H-37	120 x 240	108-132 x 216-264	77-24-427	35	2.50 1.25	240	-20	ABL	2	25	6⅝	7⅝
	240 / 277	216-264 / 250-304	77-22-427		1.27 1.08							
	480	432-528	77-23-427		.64							
1 - 400 W H-33	120 x 240	108-132 x 216-264	77-24-452	55	4.00 2.00	255	-20	ABL	2	25	6⅝	7⅝
	208	187-229	77-15-452		2.30							
	240 / 277	216-264 / 250-304	77-22-452		2.00 1.73							
	480	432-528	77-23-452		1.00							
2 - 400 W H-33 Lamps in Series	120 x 240	108-132 x 216-264	77-24-492	65	7.25 3.63	525	0	BGH	1	32	6⅝	9⅝
	277	250-304	77-12-492		3.15							
	480	432-528	77-23-492		1.82							
1 - 700 W H-35	120 x 240	108-132 x 216-264	77-24-495	65	6.50 3.25	375	-20	BDE	1	32	6⅝	9⅝
	277	250-304	77-12-495		2.82							
	480	432-528	77-23-495		1.63							
1 - 1000 W H-36	120 x 240	108-132 x 216-264	77-24-422	90	9.00 4.50	375	-20	BDE	1	43	6⅝	9⅝
	208	187-229	77-15-422		5.20							
	240 / 277	216-264 / 250-304	77-22-422		4.75 4.10							
	480	432-528	77-23-422		2.25							
2 - 1000 W H-36 Independent Lamp Operation	120 x 240	108-132 x 216-264	77-24-421	180	18.00 9.00	375	-20	MN	1	90	9¼	12
	240 / 277	216-264 / 250-304	77-22-421		9.00 7.70							
	208	187-229	77-15-421		10.90							
	480	432-528	77-23-421		4.50							
1 - 1500 W H-36 1000 W Lamp	120 x 240	108-132 x 216-264	77-10-289	95	13.50 6.75	410	-20	F	1	70	8⅝	12¼



All constant-wattage ballasts have minimum power factor of 90%.  
\* See page 10 for mounting bracket ordering information.



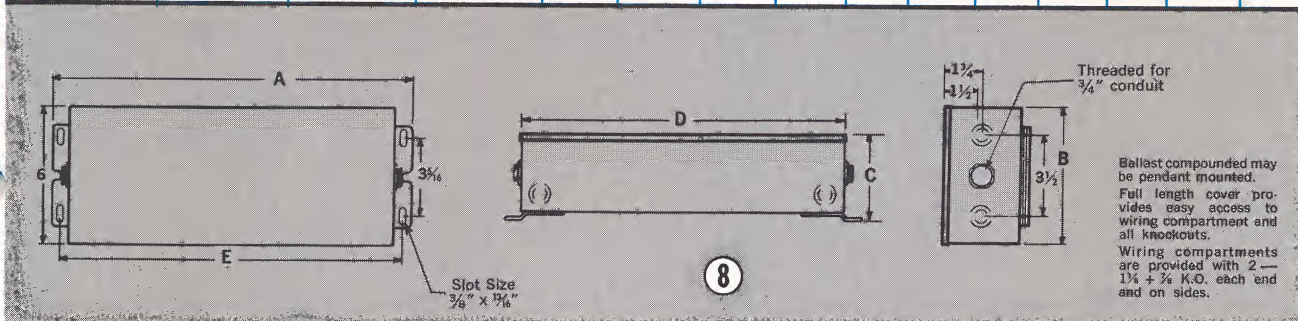


# merc-mite®

## constant wattage ballasts for INDOOR service

60 CYCLES

LAMP TYPE & WATTAGE	NOMINAL LINE VOLTAGE	LINE VOLTAGE RANGE	CATALOG NUMBER	WATTS LOSS	LINE CURRENT	OPEN CKT VOLTAGE	MIN. START. TEMP. DEG. F.	SHIP. WGT. LBS.	DRWG. NO.	OVER. LGTH. A	DIMENSION IN INCHES			
											CASE WIDTH B	CASE HGT. C	CASE LGTH. D	MTG. LGTH E
1 - 175 W H-39	120 x 240	108-132 x 216-264	78-24-417	35	1.83 .94	240	-20	17	8	13 3/8	6 1/8	3 3/8	12	12 3/8
	240 / 277	216-264 / 250-304	78-22-417		.94 .79									
1 - 250 W H-37	120 x 240	108-132 x 216-264	78-24-425	35	2.56 1.27	240	-20	20	8	13 3/8	6 1/8	3 3/8	12	12 3/8
	240 / 277	216-264 / 250-304	78-22-425		1.27 1.08									
	480	432-528	78-23-425		.64									
1 - 400 W H-33	120	108-132	78-21-400	55	4.00	225	0	22	8	15 3/4	6 1/8	3 3/8	14 1/2	15
	240 / 277	216-264 / 250-304	78-22-400		2.00 1.70									
	208	190-230	78-15-400		2.30									
	480	432-528	78-23-400		1.00									
1 - 400 W H-33 High Ambient Operation To 65° C.	120	108-132	78-21-443	60	4.00	250	-20	33	8	15 3/4	6 1/8	5 1/16	14 5/16	15
	240 / 277	216-264 / 250-304	78-22-443		2.00 1.70									
	208	187-229	78-15-443		2.30									
	480	432-528	78-23-443		1.00									
2 - 400 W H-33 Lamps in Series Not U.L. App.	120 x 240	108-132 x 216-264	78-24-491	65	7.25 3.63	525	0	40	8	15 3/4	6 1/8	5 1/16	14 5/16	15
	277	250-304	78-12-491		3.15									
	480	432-528	78-23-491		1.82									
2 - 400 W H-33 Independent Lamp Operation	120 x 240	108-132 x 216-264	78-24-505	110	7.60 3.80	250	-20	63	8	19 1/2	7 5/8	6	18	18 3/4
	208	187-229	78-15-505		4.40									
	277	250-304	78-12-505		3.40									
	480	432-528	78-23-505		2.00									
1 - 1000 W H-36	120 x 240	108-132 x 216-264	78-24-404	90	9.30 4.65	375	-20	45	8	15 1/16	6 1/8	5 1/16	14 5/16	15
	208	187-229	78-15-404		5.40									
	277	250-304	78-12-404		4.05									
	480	432-528	78-23-404		2.33									
1 - 1000 W H-36 High Ambient Operation To 65° C.	120 x 240	108-132 x 216-264	78-24-450	90	9.40 4.70	375	-20	49	8	19 3/16	6 1/8	5 1/16	18 1/4	19
	208	187-229	78-15-450		5.40									
	277	250-304	78-12-450		4.05									
	480	432-528	78-23-450		2.33									
2 - 1000 W H-36 Independent Lamp Operation	120	108-132	78-21-454	180	18.60	375	-20	90	8	18 1/2	7	11	17 3/8	17 3/4
	208	187-229	78-15-454		10.70									
	240 / 277	216-264 / 250-304	78-22-454		9.30 8.10									
	480	432-528	78-23-454		4.65									



All constant-wattage ballasts have minimum power factor of 90%.



# mounting brackets

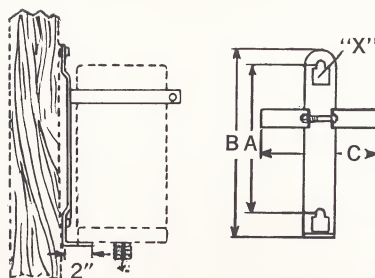
The mounting accessories shown on this page are listed in the Bracket Code Column where applicable.

More than one code letter can apply to each ballast. The code letters D and E describe wood pole and metal pole brackets, either of which can be used with Catalog 77-10-300, as an example.

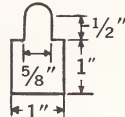
ITEM CODE	CATALOG NUMBER	DESCRIPTION
A	.....	Welded on mounting hanger permanently attached for wall or aerial mounting
B	999-049	Pole top adaptor for 3½ to 4" O.D. poles
D	999-050	Aerial hanger for wood pole or wall mounting
E	999-051	Aerial hanger for metal pole
F	9846-2	Aerial for wood pole or wall included in package
G	999-052	Aerial hanger for wood pole or wall mounting
H	999-053	Aerial hanger for metal pole
J	999-059	Aerial hanger for metal pole
K	999-069	Aerial hanger for wood pole or wall mounting
L	999-076	Ring for metal pole mounting
M	999-077	Aerial hanger for wood pole or wall mounting
N	999-078	Aerial hanger for metal pole

Items D, E, G, H, J, K, L, M, N will be shipped at no charge if ordered with ballasts.

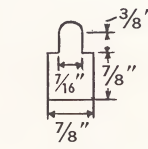
## AERIAL MOUNTING BRACKET FOR WOOD POLE OR WALL



### SLOT "X" DETAIL



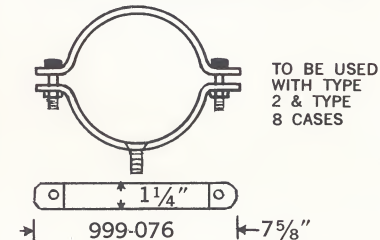
9846-2



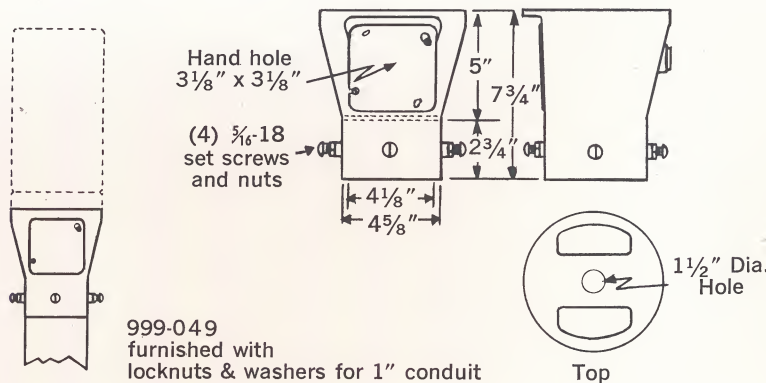
999-050  
999-052  
999-069  
999-077

- D — 999-050**  
A = 8½"  
B = 10⅝"  
C = 6⅝"
- M — 999-077**  
A = 12⅝"  
B = 14¾"  
C = 9⅞"
- G — 999-052**  
A = 12⅝"  
B = 14¾"  
C = 6⅝"
- F — 9846-2**  
A = 12"  
B = 14⅞"  
C = 8⅜"
- K — 999-069**  
A = 8½"  
B = 10⅝"  
C = 4"

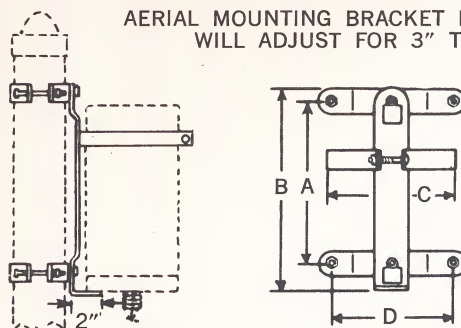
## L- RING FOR METAL POLE MTG.



## B-POLE TOP ADAPTER FOR 3½ TO 4 INCH POLE



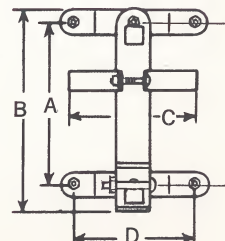
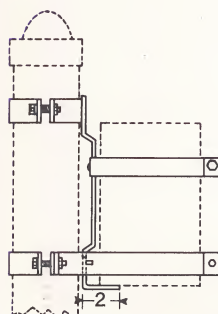
## AERIAL MOUNTING BRACKET FOR METAL POLE WILL ADJUST FOR 3" TO 5" POLE



- E — 999-051**  
A = 8½"  
B = 10⅝"  
C = 6⅝"  
D = 6⅞"

- H — 999-053**  
A = 12⅝"  
B = 14⅞"  
C = 6⅝"  
D = 6⅞"

- N — 999-078**  
A = 12⅝"  
B = 14⅞"  
C = 9⅞"  
D = 6⅞"

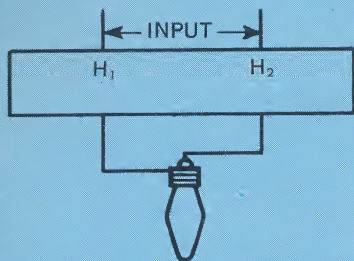


- J — 999-059**  
A = 16⅝"  
B = 18¾"  
C = 9⅞"  
D = 6⅞"

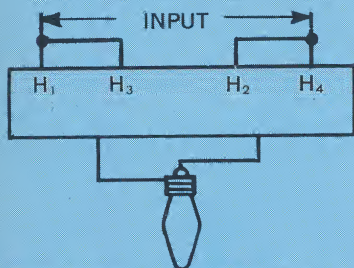
HAS DOUBLE STRAP TO HOLD BALLAST



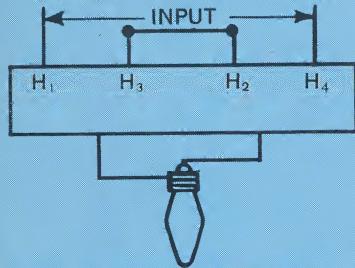
FOR ALL SINGLE PRIMARY RATINGS  
PREMIUM CONSTANT WATTAGE TYPES



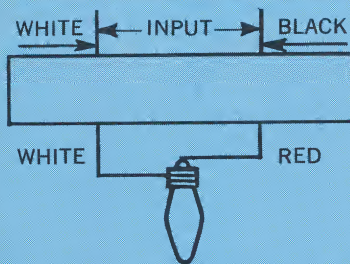
FOR DUAL PRIMARY RATINGS  
LOWEST VOLTAGE  
CONSTANT WATTAGE TYPES



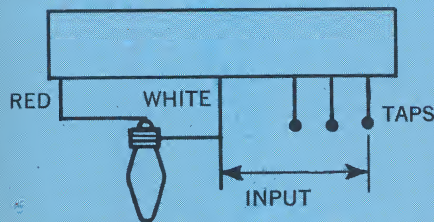
FOR DUAL PRIMARY RATINGS  
HIGHEST VOLTAGE  
CONSTANT WATTAGE TYPES



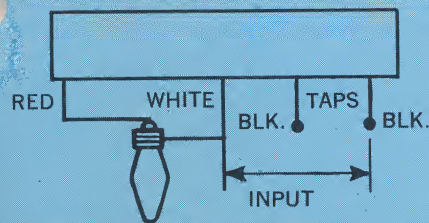
SINGLE PRIMARY REACTORS



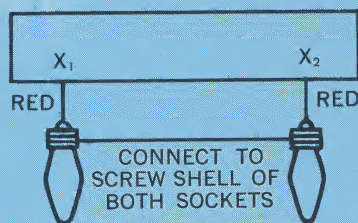
CONVENTIONAL TAPPED  
AUTO TRANSFORMERS



DUAL PRIMARY "MERC MITE"  
PRIMARY VOLTAGES  
240/277 OR 208/277  
ALSO 78-19-275

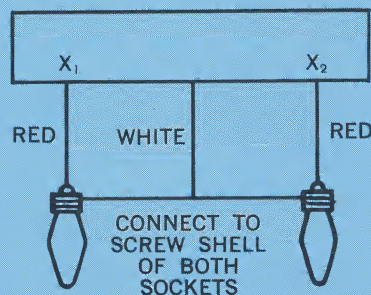


LAMPS IN SERIES  
77-XX-266, 77-XX-492, 78-XX-491  
78-XX-201, 78-XX-249

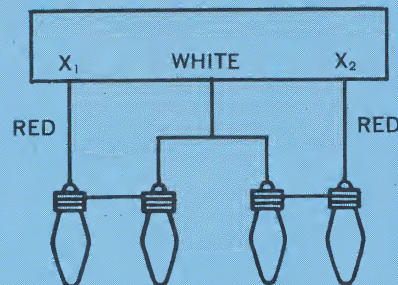


LAMPS OPERATED SERIES  
SEQUENCE 77058, 77P058  
77108, 77S108, 77T108

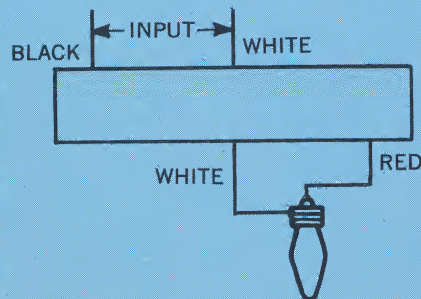
LAMPS OPERATED IN PARALLEL  
78-XX-246, 78-XX-275, 77-XX-270  
77-XX-421, 78-XX-454, 78-24-505



4 LAMP BALLAST  
LAMPS IN SERIES EACH LEG



FOR "MERC MITE" BALLASTS  
SINGLE PRIMARY



ALL INDOOR BALLASTS HAVING TWO  
WIRING COMPARTMENTS, HAVE LAMP  
CONNECTIONS IN BOTH COMPART-  
MENTS. BOTH SETS OF LEADS ARE  
CODED IN ACCORDANCE WITH THESE  
DIAGRAMS.

# wiring diagrams

## ordering information

**Terms of sale** — Cash discount terms are given in the appropriate price schedules available from Sola Electric Co. Cash discounts are allowed only on cash payments.

**Price Protection Policy** — All shipments will be invoiced at prices in effect at time of shipment, with the following exceptions: In event of a price increase, all material on order prior to the date of the increase and shipped within 15 days following the date of the increase will be invoiced at prices in effect on the day before the increase goes into effect. For a price decrease, unfilled orders will be invoiced at the lower prices.

**Orders** — Orders from stocking distributors should be placed direct with the nearest Sola sales office or with the factory.

Orders from users, contractors, and all others should be placed with the nearest Sola stocking distributor. Such orders placed with Sola direct will be referred to the distributor.

For quotations on special ballasts, specification data, and other information, contact the nearest Sola office as listed on the back cover of this bulletin.



# SOLA

## sales offices and representatives

**ALABAMA, Birmingham 35226**  
J. R. Childers & Associates, Inc.  
P. O. Box 20059  
2400 Woodmere Drive  
(205) 822-0372

**ARIZONA, Phoenix 85015**  
William Walsh & Associates  
2204 W. Fullmore  
(602) 252-1763  
(602) 266-1658

**ARKANSAS, Little Rock 72204**  
Nick B. Nichols  
4915 Greenway Drive  
(501) 758-0348

**CALIFORNIA, Southern**  
William M. Walsh  
618 N. Lincoln Avenue  
Fullerton, California 92631  
(714) 525-7453

**CALIFORNIA, Northern**  
Campbell and George Co.  
840 Mahler Road  
Burlingame, California 94010  
(415) 697-2965

Campbell and George Co.  
1331 T Street  
Sacramento, California 95814  
(916) 442-4631

**COLORADO, Denver 80204**  
L. S. Reed & Company  
1151 10th Street at Lawrence  
(303) 255-1777

**FLORIDA, Clearwater 33517**  
L. W. Shaw & Associates, Inc.  
P. O. Box 273  
1171 Meredith Lane  
(813) 584-3175

**FLORIDA, Jacksonville 32203**  
L. W. Shaw & Associates, Inc.  
2727 Phyllis Street  
(904) 388-0351

**FLORIDA, Miami Area**  
L. W. Shaw & Associates, Inc.  
P. O. Box 141  
North Miami Beach, Florida 33160  
(305) 448-1772

**GEORGIA, Atlanta 30305**  
Trapani & Associates  
3133 Maple Drive N.E.  
(404) 233-8244

**ILLINOIS, Central**  
H. M. Kloppenburg & Sons  
6 Circle Drive  
Springfield, Illinois 62703  
(217) 529-2323

**ILLINOIS, Chicago Area**  
Sola Electric Division  
1717 Busse Road  
Elk Grove Village, Illinois 60007  
(312) 439-2800  
(312) 625-8630 (Chicago line)

**INDIANA, Indianapolis 46220**  
The Giles Agency  
5930 Gladden Drive  
(317) 253-0910

**IOWA (See Nebraska)**

**LOUISIANA, New Orleans 70150**  
Al Levin & Associates  
P. O. Box 52075  
(504) 524-8489

**MASSACHUSETTS, Boston Area**  
Chapman-Richards, Inc.  
925 Washington Street  
Dorchester, Massachusetts 02124  
(617) 288-3132

**MICHIGAN, Detroit 48235**  
Dynamic Industrial Sales Co.  
20017 James Couzens Hwy.  
(313) 342-3232

**MINNESOTA, Minneapolis 55416**  
Stack-Johnson, Inc.  
4501 Minnetonka Blvd.  
(612) 920-4933

**MISSOURI, Kansas City Area**  
Charles V. Dunn  
715 West 23rd Trafficway  
Kansas City, Missouri 64108  
(816) 221-1106

**MISSOURI, St. Louis 63110**  
RoCo Electrical Sales Co.  
5627 Manchester Avenue  
(314) 647-4344  
(618) 271-5220

**NEBRASKA, Omaha 68104**  
Joe Greshake  
4113 North 65th Street  
(402) 558-5347

**NEW JERSEY, Englewood Cliffs 07632**  
Arnold Godlis  
111 Charlotte Place  
(201) 567-3880/1

**NEW YORK, New York City Area**  
Arnold Godlis  
111 Charlotte Place  
Englewood Cliffs, New Jersey 07632  
(212) 279-9180

**NEW YORK, Buffalo Area**  
Harries & Kershaw  
15 Canterbury Lane  
East Aurora, New York 14052  
(716) 652-1221

**NEW YORK, Syracuse Area**  
Harries & Kershaw  
110 Fayette Circle  
Fayetteville, New York 13066  
(315) 446-3112

**NEW YORK, Rochester 14609**  
The Zonneville Company  
2052 Main Street, East  
(716) 288-6695

**NEW YORK, Webster 14580**  
Harries & Kershaw  
216 Shorewood Drive  
(716) 671-6365

**NORTH CAROLINA, Greensboro 27405**  
Wilson Byrd Agency  
1920 Sullivan Street  
(919) 273-5932

**NORTH CAROLINA, Western**  
Wilson Byrd Agency  
P. O. Box 1245  
Hickory, North Carolina 28601  
(704) 324-7438

**OHIO, Cincinnati 45227**  
Sola Electric Division  
3914 Miami Road  
(513) 271-6870

**OHIO, Cleveland 44017**  
Sola Electric Division  
14235 Detroit Ave.  
(216) 521-8038

**OREGON, Portland Area**  
Marshall B. James  
3950 S. Elmran Drive  
Lake Oswego, Oregon 97034  
(503) 227-5004

**PENNSYLVANIA, Philadelphia**  
Henry Schaeffer Associates  
8117 Old York Road  
Elkins Park, Pennsylvania 19117  
(215) 887-1518/19

**SOUTH CAROLINA, Greenville Area**  
Wilson Byrd Agency  
126 Forest Dale Drive  
Taylors, South Carolina 29687  
(803) 244-3554

**TENNESSEE, (See Atlanta, Georgia)**

**TEXAS, Dallas 75235**  
NuRo-Randall Company  
P. O. Box 35512  
(214) 742-2350

**TEXAS, Houston 77023**  
NuRo-Randall Company  
P. O. Box 18517  
(713) 225-6671

**TEXAS, San Antonio 78216**  
NuRo-Randall Company  
603 Colwyn Pass  
(512) 344-3979

**UTAH, Salt Lake City 84401**  
Bolton & Pack  
P. O. Box 6079  
(801) 485-3462

**VIRGINIA, Richmond Area**  
Wilson Byrd Agency  
P. O. Box 1245  
Hickory, North Carolina 28601  
(704) 324-7438

**VIRGINIA, Roanoke**  
Lynn H. Morris  
452 High Street, P. O. Box 349  
Salem, Virginia 24153  
(703) 389-5798

**WASHINGTON, Seattle 98134**  
Northwestern Agencies, Inc.  
4130 First Avenue, South  
(206) 623-8882

**WASHINGTON, D.C. Area**  
Bradley Electro  
7981 Eastern Avenue  
Silver Spring, Maryland 20910  
(301) 587-1866

**WISCONSIN, Milwaukee 53214**  
Knoblauch & Associates  
1304 S. 103rd Street  
(414) 774-5150

**EXPORT:**  
Sola Basic  
International Sales Division  
P. O. Box 753  
Milwaukee, Wisconsin 53201  
(414) 276-1480

**SOLA ELECTRIC**



DIVISION OF SOLA BASIC INDUSTRIES

1717 Busse Road, Elk Grove Village, Illinois 60007, (312) 439-2800

In Canada: Sola Basic Products Ltd., 377 Evans Avenue, Toronto 18, Ontario

Also manufacturers of AC and DC Power Supplies • Sola® Constant Voltage Transformers • Solatron® Line Voltage Regulators • DC to AC Inverters • Lighting Ballasts.